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onal application No.
PCT/JP03/07155

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	IFICATION OF SUBJECT MATTER	10	/518115	
Int.	Cl ⁷ H04B1/16, H04B1/26	• •	· 240449	
According to	o International Patent Classification (IPC) or to both nati	ional classification and IPC		
	S SEARCHED			
Minimum do	ocumentation searched (classification system followed b	y classification symbols)		
Int.	Cl ⁷ H04B1/16, H04B1/26			
	ion searched other than minimum documentation to the	extent that such documents	are included in the fields searched	
Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2003				
Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
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	MENTS CONSIDERED TO BE RELEVANT		Delegge Delegge	
Category*	Citation of document, with indication, where app			
Х	JP 6-77917 A (Rohm Co., Ltd.) 18 March, 1994 (18.03.94),),	1-7	
	Full text; Figs. 1 to 5			
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. x	JP 6-104782 A (Rohm Co., Ltd	.),	1-7	
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	(Lamily 110110)	•		
Further documents are listed in the continuation of Box C. See patent family annex.				
* Specia "A" docum	* Special categories of cited documents: "I" later document published after the international filing date or priority date and not in conflict with the application but cited to			
conside	nent defining the general state of the art which is not ered to be of particular relevance document but published on or after the international filing	understand the principle "X" document of particular	e or theory underlying the invention relevance; the claimed invention cannot be	
date	-	considered novel or can step when the documen	nnot be considered to involve an inventive at is taken alone	
cited to establish the publication date of another citation or other "Y" document of particular relevance; the cl			relevance; the claimed invention cannot be in inventive step when the document is	
"O" docum	O" document referring to an oral disclosure, use, exhibition or other combined with one or more other such documents, such			
	nent published prior to the international filing date but later the priority date claimed	"&" document member of the		
Date of the	actual completion of the international search	Date of mailing of the inte		
09 5	September, 2003 (09.09.03)	24 Septembe	r, 2003 (24.09.03)	
Name and	mailing address of the ISA/	Authorized officer		

Telephone No.

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Japanese Patent Office

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C (COMMING	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	·	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
А	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 136107/1986(Laid-open No. 44522/1988) (NEC Corp.), 25 March, 1988 (25.03.88), Full text; Figs. 1 to 4 (Family: none)	1-7	
A	JP 2-162912 A (Nippon Telegraph And Telephone Corp.), 22 June, 1990 (22.06.90), Page 1, right column, line 11 to page 2, upper left column, line 10; Figs. 11, 12 (Family: none)	1-7	
A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 26452/1989(Laid-open No. 118323/1990) (NEC Corp.), 21 September, 1990 (21.09.90), Full text; Figs. 1 to 3 (Family: none)	4	
А	JP 11-88122 A (Matsushita Electric Industrial Co., Ltd.), 30 March, 1999 (30.03.99), Figs. 6, 7 & DE 19841236 A1 & CN 1213213 A & US 6233442 A	1-7	
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